

Appendix table 5-13.

Federal academic research obligations provided by major agencies, by field: FY 1999
 (Percentages)

Field	Six-agency total	National Science Foundation	National Aeronautics and Space Administration	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Agriculture
Total S&E	100.0	16.3	5.8	7.7	4.4	62.0	3.8
Total sciences	100.0	14.4	5.3	5.0	4.2	67.0	4.0
Physical sciences	100.0	33.1	23.6	7.8	25.0	8.8	1.7
Astronomy	100.0	20.7	78.2	1.1	0.0	0.0	0.0
Chemistry	100.0	37.4	4.1	9.6	13.5	29.6	5.9
Physics	100.0	26.9	18.6	9.4	44.4	0.6	0.0
Other	100.0	73.0	21.6	5.0	0.4	0.0	0.0
Mathematics	100.0	63.8	1.0	15.3	10.7	8.9	0.2
Computer sciences	100.0	52.9	5.4	38.7	0.6	2.5	0.0
Environmental sciences	100.0	48.1	26.3	12.6	9.8	3.0	0.3
Atmospheric sciences	100.0	36.8	45.0	6.8	10.4	0.0	0.9
Earth sciences	100.0	61.8	16.9	1.7	19.5	0.0	0.1
Ocean sciences	100.0	66.4	3.5	28.8	1.2	0.0	0.0
Other	100.0	10.4	54.0	1.9	14.5	19.2	0.0
Life sciences	100.0	4.5	0.7	1.9	0.9	87.1	4.9
Agricultural sciences	100.0	0.0	0.3	0.0	0.0	0.0	99.7
Biology (excluding environmental)	100.0	6.2	0.6	1.5	1.2	88.3	2.2
Environmental biology	100.0	50.0	0.7	4.1	0.0	0.0	45.1
Medical sciences	100.0	0.0	0.2	2.2	0.7	96.6	0.3
Other	100.0	0.0	9.8	5.7	0.1	84.5	0.0
Psychology	100.0	1.3	2.3	1.0	0.0	95.4	0.0
Biological aspects	100.0	0.0	0.5	16.1	0.0	83.4	0.0
Social aspects	100.0	35.7	21.3	0.0	0.0	43.0	0.0
Other	100.0	0.0	1.6	0.4	0.0	98.0	0.0
Social sciences	100.0	41.7	0.1	0.0	0.0	37.6	20.5
Anthropology	100.0	100.0	0.0	0.0	0.0	0.0	0.0
Economics	100.0	25.3	0.0	0.0	0.0	1.8	72.8
Political science	100.0	100.0	0.0	0.0	0.0	0.0	0.0
Sociology	100.0	26.6	1.3	0.0	0.0	6.9	65.1
Other	100.0	42.5	0.1	0.0	0.0	57.4	0.0
Other sciences	100.0	23.2	7.5	4.1	0.7	64.4	0.0
Total engineering	100.0	36.5	11.9	38.0	6.5	5.5	1.6
Aeronautical	100.0	0.0	54.8	45.2	0.0	0.0	0.0
Astronautical	100.0	0.0	96.5	3.5	0.0	0.0	0.0
Chemical	100.0	55.0	2.3	17.3	25.0	0.0	0.5
Civil	100.0	85.2	0.3	3.7	10.6	0.0	0.2
Electrical	100.0	23.9	4.6	70.0	1.6	0.0	0.0
Mechanical	100.0	9.0	13.0	66.0	11.9	0.0	0.1
Materials	100.0	46.3	6.6	40.5	6.6	0.0	0.0
Other	100.0	45.7	3.0	21.5	5.4	19.2	5.2

NOTES: Academic research includes both basic and applied research. The six agencies shown are the only ones that report their research obligations to academia by S&E field; they represent approximately 97 percent of academic research obligations.

SOURCES: National Science Foundation, Division of Science Resources Studies (NSF/SRS), *Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001*, Detailed Statistical Tables, Vol. 49, NSF 01-328 (Arlington, VA, 2001); and NSF, annual series.

See figure 5-13 in Volume 1.

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